

L Number	Hits	Search Text	DB	Time stamp
1	6	("3440141").PN.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/08/31 06:54
2	2303	triphosgene	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/08/31 06:58
3	158	558/280.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/08/31 06:58
4	168	558/282.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/08/31 06:59
5	266	558/280.ccls. or 558/282.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/08/31 06:59
6	4	triphosgene and (558/280.ccls. or 558/282.ccls.)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/08/31 07:20
7	409575	carbonate	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/08/31 07:23
8	554	triphosgene same carbonate	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/08/31 07:21
9	6	"bis(trichloromethyl)carbonate"	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/08/31 07:51
10	2	chhloroformate	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/08/31 08:06
11	25884	chloroformate	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/08/31 07:24
12	356	(triphosgene same carbonate) and chloroformate	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/08/31 07:24
13	181	(triphosgene same carbonate) same chloroformate	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/08/31 07:24
14	6	"bistrichloromethylcarbonate"	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/08/31 07:51
15	2	6306818.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/08/31 08:30
16	2	5854289.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/08/31 08:33
17	3	2799461.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/08/31 08:43

18	2	5846942.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/08/31 08:43
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	Type	L #	Hits	Search Text	DBs	Time Stamp	Comments	Error Definition
1	IS&R	L1	6	("3440141").PN.	USPAT ; US-PG PUB; EPO; JPO; DERWE NT	2004/08/31 06:54		
2	BRS	L2	2303	triphosgene	USPAT ; US-PG PUB; EPO; JPO; DERWE NT	2004/08/31 06:58		
3	BRS	L3	158	558/280.ccls.	USPAT ; US-PG PUB; EPO; JPO; DERWE NT	2004/08/31 06:58		
4	BRS	L4	168	558/282.ccls.	USPAT ; US-PG PUB; EPO; JPO; DERWE NT	2004/08/31 06:59		
5	BRS	L5	266	13 or 14	USPAT ; US-PG PUB; EPO; JPO; DERWE NT	2004/08/31 06:59		
6	BRS	L6	4	12 and 15	USPAT ; US-PG PUB; EPO; JPO; DERWE NT	2004/08/31 07:20		
7	BRS	L7	40957 5	carbonate	USPAT ; US-PG PUB; EPO; JPO; DERWE NT	2004/08/31 07:23		

	Err ors
1	0
2	0
3	0
4	0
5	0
6	0
7	0

	Type	L #	Hits	Search Text	DBs	Time Stamp	Comments	Error Definition
8	BRS	L8	554	12 same 17	USPAT ; US-PG PUB; EPO; JPO; DERWE NT	2004/08/31 07:21		
9	BRS	L9	6	"bis(trichloromethyl) carb onate"	USPAT ; US-PG PUB; EPO; JPO; DERWE NT	2004/08/31 07:51		
10	BRS	L10	2	chhloroformate	USPAT ; US-PG PUB; EPO; JPO; DERWE NT	2004/08/31 08:06		
11	BRS	L11	25884	chloroformate	USPAT ; US-PG PUB; EPO; JPO; DERWE NT	2004/08/31 07:24		
12	BRS	L12	356	18 and 111	USPAT ; US-PG PUB; EPO; JPO; DERWE NT	2004/08/31 07:24		
13	BRS	L13	181	18 same 111	USPAT ; US-PG PUB; EPO; JPO; DERWE NT	2004/08/31 07:24		
14	BRS	L14	6	"bistrichloromethylcarbon ate"	USPAT ; US-PG PUB; EPO; JPO; DERWE NT	2004/08/31 07:51		

	Err ors
8	0
9	0
10	0
11	0
12	0
13	0
14	0

	Type	L #	Hits	Search Text	DBs	Time Stamp	Comments	Error Definition
15	BRS	L15	2	6306818.pn.	USPAT ; US-PG PUB; EPO; JPO; DERWE NT	2004/08/31 08:30		
16	BRS	L16	2	5854289.pn.	USPAT ; US-PG PUB; EPO; JPO; DERWE NT	2004/08/31 08:33		
17	BRS	L17	3	2799461.pn.	USPAT ; US-PG PUB; EPO; JPO; DERWE NT	2004/08/31 08:43		
18	BRS	L18	2	5846942.pn.	USPAT ; US-PG PUB; EPO; JPO; DERWE NT	2004/08/31 08:43		

	Err ors
15	0
16	0
17	0
18	0

=> file caplus
COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
7.04	7.25

FULL ESTIMATED COST

FILE 'CAPLUS' ENTERED AT 07:40:42 ON 31 AUG 2004
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FILE COVERS 1907 - 31 Aug 2004 VOL 141 ISS 10
FILE LAST UPDATED: 30 Aug 2004 (20040830/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> l1

L2 858 L1

=> chloroformate

18841 CHLOROFORMATE

1670 CHLOROFORMATES

L3 19423 CHLOROFORMATE
(CHLOROFORMATE OR CHLOROFORMATES)

=> l2 and l3

L4 141 L2 AND L3

=> l2(l)l3

L5 7 L2(L)L3

=> d l5 1-7 ti

L5 ANSWER 1 OF 7 CAPLUS COPYRIGHT 2004 ACS on STN

TI Synthesis of highly fluorinated chloroformates and their use as derivatizing agents for hydrophilic compounds and drinking-water-disinfection by-products

L5 ANSWER 2 OF 7 CAPLUS COPYRIGHT 2004 ACS on STN

TI Preparation of optically-active secondary phosphine-boranes and their intermediates

L5 ANSWER 3 OF 7 CAPLUS COPYRIGHT 2004 ACS on STN

TI A convenient procedure for the preparation of oxime chloroformates

L5 ANSWER 4 OF 7 CAPLUS COPYRIGHT 2004 ACS on STN

TI Improved synthesis of (dialkylamino)pyrrolines

L5 ANSWER 5 OF 7 CAPLUS COPYRIGHT 2004 ACS on STN

TI Reduced-pressure phosgenation process for the preparation of aliphatic, cycloaliphatic or arylaliphatic chloroformates

L5 ANSWER 6 OF 7 CAPLUS COPYRIGHT 2004 ACS on STN

TI Benzaldehyde-derived chloroformates and their application towards the synthesis of methoxyfenozide-N-[(acyloxy)benzyloxy]carbonyl derivatives

L5 ANSWER 7 OF 7 CAPLUS COPYRIGHT 2004 ACS on STN

TI Condensation reaction of 1-oxo-4-chlorocarbonyl-1-phospha-2,6,7-trioxabicyclo[2.2.2]octane with N-t-butyl-N-benzoylhydrazine

=> d 15 1-7 ti fbib abs

L5 ANSWER 1 OF 7 CAPLUS COPYRIGHT 2004 ACS on STN

TI Synthesis of highly fluorinated chloroformates and their use as derivatizing agents for hydrophilic compounds and drinking-water-disinfection by-products

AN 2004:263234 CAPLUS

DN 140:428504

TI Synthesis of highly fluorinated chloroformates and their use as derivatizing agents for hydrophilic compounds and drinking-water-disinfection by-products

AU Vincenti, Marco; Ghiglione, Nicoletta; Valsania, Maria Carmen; Davit, Patrizia; Richardson, Susan D.

CS Dipartimento di Chimica Analitica, Universita di Torino, Turin, I-10125, Italy

SO Helvetica Chimica Acta (2004), 87(2), 370-375

CODEN: HCACAV; ISSN: 0018-019X

PB Verlag Helvetica Chimica Acta

DT Journal

LA English

AB A rapid, safe, and efficient procedure was developed to synthesize, on a small scale, fluorinated chloroformates often required to perform anal. derivatizations. This new family of agents allows straightforward derivatization of highly polar compds. (with multiple hydroxy, carboxy, and amino substituents) in the aqueous phase, compatible with gas chromatog. (GC) and GC/mass spectrometry (MS) anal. A goal of this work was to develop a derivatization procedure that would enable the detection and identification of highly polar disinfection byproducts in drinking water.

RE.CNT 18 THERE ARE 18 CITED REFERENCES AVAILABLE FOR THIS RECORD

ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 2 OF 7 CAPLUS COPYRIGHT 2004 ACS on STN

TI Preparation of optically-active secondary phosphine-boranes and their intermediates

AN 2003:826838 CAPLUS

DN 139:331823

TI Preparation of optically-active secondary phosphine-boranes and their intermediates

IN Oohara, Nobuhiko; Imamoto, Tsuneo

PA Nippon Chemical Industrial Co., Ltd., Japan

SO Jpn. Kokai Tokkyo Koho, 11 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----		-----	-----	-----
PI	JP 2003300988	A2	20031021	JP 2002-104764	20020408
				JP 2002-104764	20020408
OS	MARPAT 139:331823				
AB	Optically-active BH3PHR1R2 (I ; R1, R2 = C1-18 linear or branched alkyl,				

aryl, aralkyl; R1 ≠ R2), useful as intermediates for bisphosphine ligands, are prepared by (1) reacting (±)-I with optically-active XCO₂R (R = optically-active alkyl, cyclic terpenyl; X = halo) in the presence of bases, (2) separating the resulting diastereomeric mixture of BH₃PR₁R₂CO₂R (II; R, R₁, R₂ = same as above Me₃CPHMeBH₃) by repeated crystallization, and (3) hydrolyzing the resulting optically-active II in the presence of alkaline agents. E.g., a hexane solution of BuLi was added dropwise to a THF solution

of

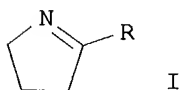
Me₃CPHMeBH₃ (preparation given) at -78°, and after 10 min, the mixture was further treated with (1S)-endo-2-bornyl chloroformate (preparation given) at -78°, then stirred for 1 h to give 70% diastereomeric mixture of II [R = (1S)-endo-2-bornyl, R₁ = CMe₃, R₂ = Me] (III). The diastereomeric mixture III was dissolved in hexane upon heating to 60° and the solution was gradually cooled to 0° and kept at 0° for 3 h. The resulting crystal was recrystd. and the mother liquor was concentrated and repeatedly subjected to recrystn. The collected crystals were recrystd. in hexane to give 32% (Rp)-III with 95% e.e. This diastereomer was dissolved in MeCN/MeOH and treated with KOH solution at room temperature for 4

h to

give 75% (S)-Me₃CPHMeBH₃ with 95% e.e.

L5 ANSWER 3 OF 7 CAPLUS COPYRIGHT 2004 ACS on STN
TI A convenient procedure for the preparation of oxime chloroformates
AN 2003:694509 CAPLUS
DN 140:93451
TI A convenient procedure for the preparation of oxime chloroformates
AU Paryzek, Z.; Koenig, H.
CS Faculty of Chemistry, A. Mickiewicz University, Poznan, Pol.
SO Synthetic Communications (2003), 33(19), 3405-3410
CODEN: SYNCAV; ISSN: 0039-7911
PB Marcel Dekker, Inc.
DT Journal
LA English
AB Triphosgene is a convenient reagent for the preparation of O-(chloroformyl)oximes from aliphatic and aromatic ketoximes.
RE.CNT 9 THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 4 OF 7 CAPLUS COPYRIGHT 2004 ACS on STN
TI Improved synthesis of (dialkylamino)pyrrolines
AN 2003:550006 CAPLUS
DN 139:364788
TI Improved synthesis of (dialkylamino)pyrrolines
AU Flosser, David A.; Olofson, Roy A.
CS Department of Chemistry, The Pennsylvania State University, University Park, PA, USA
SO Synthetic Communications (2003), 33(12), 2045-2052
CODEN: SYNCAV; ISSN: 0039-7911
PB Marcel Dekker, Inc.
DT Journal
LA English
OS CASREACT 139:364788
GI



AB The title compds. (I; R = NBu₂, piperidino, NEt₂) were prepared in 80-94% yield by reaction of I (R = OMe) with amines and their hydrochlorides. In

initial assays, the pyrrolinium salts obtained on alkylation of I (R = NBu₂) are excellent "naked halide" catalysts.

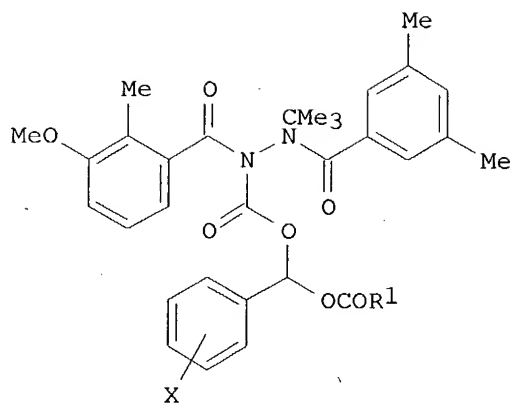
RE.CNT 18 THERE ARE 18 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 5 OF 7 CAPLUS COPYRIGHT 2004 ACS on STN
TI Reduced-pressure phosgenation process for the preparation of aliphatic, cycloaliphatic or arylaliphatic chloroformates
AN 2002:486174 CAPLUS
DN 137:46799
TI Reduced-pressure phosgenation process for the preparation of aliphatic, cycloaliphatic or arylaliphatic chloroformates
IN Bonnard, Hubert; Ferruccio, Laurence; Gauthier, Patricia; Senet, Jean-Pierre
PA SNPE, Fr.
SO Eur. Pat. Appl., 7 pp.
CODEN: EPXXDW
DT Patent
LA French
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 1216983	A1	20020626	EP 2001-403256	20011214
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
				FR 2000-16880	A 20001222
	FR 2818640	A1	20020628	FR 2000-16880	20001222
	FR 2818640	B1	20040213		
	JP 2002212135	A2	20020731	JP 2001-381794	20011214
				FR 2000-16880	A 20001222
	US 2002082444	A1	20020627	US 2001-22963	20011218
	US 6696590	B2	20040224		
				FR 2000-16880	A 20001222
OS	CASREACT 137:46799				
AB	Aliphatic, cycloaliph. [e.g., (L)-menthyl chloroformate], or arylaliph. chloroformates are prepared in high yield and selectivity by the esterification of the corresponding alc. [e.g., (L)-menthol] with phosgene, diphosgene, or triphosgene at $\leq 95 \times 10^3$ Pa at -30° to $+50^\circ$ optionally in the presence of an inert solvent (e.g., toluene).				

RE.CNT 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

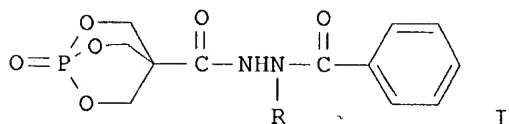
L5 ANSWER 6 OF 7 CAPLUS COPYRIGHT 2004 ACS on STN
TI Benzaldehyde-derived chloroformates and their application towards the synthesis of methoxyfenozone-N-[(acyloxy)benzyloxy]carbonyl derivatives
AN 2001:749800 CAPLUS
DN 136:199753
TI Benzaldehyde-derived chloroformates and their application towards the synthesis of methoxyfenozone-N-[(acyloxy)benzyloxy]carbonyl derivatives
AU Mulvihill, M. J.; Nguyen, D. V.; MacDougall, B.; Martinez-Teipel, B.; Joseph, R.; Gallagher, J.; Weaver, D.; Gusev, A.; Chung, K.; Mathis, W.
CS Rohm and Haas Company, Spring House, PA, 19477, USA
SO Tetrahedron Letters (2001), 42(44), 7751-7754
CODEN: TELEAY; ISSN: 0040-4039
PB Elsevier Science Ltd.
DT Journal
LA English
OS CASREACT 136:199753
GI



AB The synthesis of a series of substituted benzaldehyde-derived chloroformates and their application towards the synthesis of a diverse series of novel insecticidally active carboxylic acid [N'-tert-butyl-N'-(3,5-dimethylbenzoyl)-N-(3-methoxy-2-methylbenzoyl)hydrazinocarbonyloxy]phenylmethyl esters (I; X = H, 2-Me, 4-Me; R1 = cyclopropyl, 2-hexyl, 3-thienyl, 2- and 3-pyridyl, Et, ethenyl, etc.), prepared in a parallel synthesis fashion, is reported.

RE.CNT 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 7 OF 7 CAPLUS COPYRIGHT 2004 ACS on STN
 TI Condensation reaction of 1-oxo-4-chlorocarbonyl-1-phospha-2,6,7-trioxabicyclo[2.2.2]octane with N-t-butyl-N-benzoylhydrazine
 AN 2000:443685 CAPLUS
 DN 133:177243
 TI Condensation reaction of 1-oxo-4-chlorocarbonyl-1-phospha-2,6,7-trioxabicyclo[2.2.2]octane with N-t-butyl-N-benzoylhydrazine
 AU Wang, Qingmin; Huang, Runqiu
 CS Research Institute of Elemento-Organic Chemistry, State Key Laboratory of Elemento-Organic Chemistry, Nankai University, Tianjin, 300071, Peop. Rep. China
 SO Phosphorus, Sulfur and Silicon and the Related Elements (2000), 161, 173-179.
 CODEN: PSSLEC; ISSN: 1042-6507
 PB Gordon & Breach Science Publishers
 DT Journal
 LA English
 OS CASREACT 133:177243
 GI



AB 1-Oxo-4-chlorocarbonyl-1-phospha-2,6,7-trioxabicyclo[2.2.2]octane (5) was obtained from POCl3. Benzyl chloroformate was synthesized by the reaction of benzyl alc. and triphosgene in good yield for the 1st time. N-t-Butyl-N-benzoylhydrazine (11) was prepared in a new and convenient procedure with good yield. The reaction of 5 and 11 proceeded smoothly in the presence of Na2CO3 and afforded the desired compound I (R = tBu) in good

yield, while in the presence of NEt₃, the elimination of tBu was observed and afforded I (R = H).

RE.CNT 11 THERE ARE 11 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> logoff hold

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	28.00	35.25
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	-4.90	-4.90

SESSION WILL BE HELD FOR 60 MINUTES
STN INTERNATIONAL SESSION SUSPENDED AT 07:49:21 ON 31 AUG 2004

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:SSSPTA1623PAZ

PASSWORD:

* * * * * RECONNECTED TO STN INTERNATIONAL * * * * *
SESSION RESUMED IN FILE 'CAPLUS' AT 08:01:52 ON 31 AUG 2004
FILE 'CAPLUS' ENTERED AT 08:01:52 ON 31 AUG 2004
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COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	28.44	35.69
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	-4.90	-4.90

=> d his

(FILE 'HOME' ENTERED AT 07:39:23 ON 31 AUG 2004)

FILE 'REGISTRY' ENTERED AT 07:39:48 ON 31 AUG 2004

E TRIPHOSGENE/CN

L1 1 E3

FILE 'CAPLUS' ENTERED AT 07:40:42 ON 31 AUG 2004

L2 858 L1
L3 19423 CHLOROFORMATE
L4 141 L2 AND L3
L5 7 L2(L)L3

=> carbonate

251567 CARBONATE
62312 CARBONATES
L6 282367 CARBONATE
(CARBONATE OR CARBONATES)

=> 14 and 16

L7 40 L4 AND L6

=> d 17 30-40 ti

L7 ANSWER 30 OF 40 CAPLUS COPYRIGHT 2004 ACS on STN
TI Water soluble taxol derivatives

L7 ANSWER 31 OF 40 CAPLUS COPYRIGHT 2004 ACS on STN
TI Amide derivatives from haloaminotriazines and acid halides

L7 ANSWER 32 OF 40 CAPLUS COPYRIGHT 2004 ACS on STN
TI Preparation of oxopyridylacetamides as human leukocyte elastase inhibitors

L7 ANSWER 33 OF 40 CAPLUS COPYRIGHT 2004 ACS on STN
TI A convenient method to synthesize tritium-labeled N-[3H]methyl-N-nitrosocarbamate transfer reagents

L7 ANSWER 34 OF 40 CAPLUS COPYRIGHT 2004 ACS on STN
TI Aminodeoxybestatin and epi-aminodeoxybestatin: stereospecific synthesis and aminopeptidase inhibition

L7 ANSWER 35 OF 40 CAPLUS COPYRIGHT 2004 ACS on STN
TI Preparation of thiazolidinedione derivatives as cardiovascular agents

L7 ANSWER 36 OF 40 CAPLUS COPYRIGHT 2004 ACS on STN
TI Cholecystokinin antagonists, their preparation and therapeutic use

L7 ANSWER 37 OF 40 CAPLUS COPYRIGHT 2004 ACS on STN
TI Nucleoside analogs. Part 11. The acylation of N-(ω -aminoalkyl)uracils and a bicyclic isomer

L7 ANSWER 38 OF 40 CAPLUS COPYRIGHT 2004 ACS on STN
TI Disperse azo and anthraquinone and cyanine dyes containing lactam or oxime residues

L7 ANSWER 39 OF 40 CAPLUS COPYRIGHT 2004 ACS on STN
TI Trichloromethyl **carbonate** as a practical phosgene source: application to the synthesis of α -chloro **chloroformates**

L7 ANSWER 40 OF 40 CAPLUS COPYRIGHT 2004 ACS on STN
TI Bis(trichloromethyl) **carbonate** as an alternative reagent for phosgene

=> d 17 39 ti fbib abs

L7 ANSWER 39 OF 40 CAPLUS COPYRIGHT 2004 ACS on STN
TI Trichloromethyl **carbonate** as a practical phosgene source: application to the synthesis of α -chloro **chloroformates**

AN 1990:20535 CAPLUS
DN 112:20535
TI Trichloromethyl **carbonate** as a practical phosgene source: application to the synthesis of α -chloro **chloroformates**

AU Coghlan, Michael J.; Caley, Blake A.
CS Lilly Res. Lab., Eli Lilly and Co., Greenfield, IN, 46140, USA
SO Tetrahedron Letters (1989), 30(16), 2033-6
CODEN: TELEAY; ISSN: 0040-4039
DT Journal
LA English
OS CASREACT 112:20535
AB (Cl₃CO)₂CO (I) is a stable, crystalline reagent which reacts with aldehydes RCHO to give **chloroformates** ClCO₂CHRC1. Thus, I was added to a stirred solution of cyclohexanecarboxaldehyde and pyridine in CCl₄ at -20° and the resulting slurry warmed to room temp and then heated

for 1 h at 40° to give 89% chlorocyclohexylmethyl
chloroformate.

=> d 17 19-29 ti

- L7 ANSWER 19 OF 40 CAPLUS COPYRIGHT 2004 ACS on STN
TI Triphosgene in organic chemical synthesis
- L7 ANSWER 20 OF 40 CAPLUS COPYRIGHT 2004 ACS on STN
TI Preparation of pyrazolinone derivatives as fungicides
- L7 ANSWER 21 OF 40 CAPLUS COPYRIGHT 2004 ACS on STN
TI Fire-resistant **carbonates**, their manufacture, and fire-resistant resin compositions containing them
- L7 ANSWER 22 OF 40 CAPLUS COPYRIGHT 2004 ACS on STN
TI Preparation of guanylhydrazones and their use to treat inflammatory conditions
- L7 ANSWER 23 OF 40 CAPLUS COPYRIGHT 2004 ACS on STN
TI Preparation of ester fragrance precursors
- L7 ANSWER 24 OF 40 CAPLUS COPYRIGHT 2004 ACS on STN
TI Synthesis of oligodeoxynucleotides containing 2-substituted guanine derivatives using 2-fluoro-2'-deoxyinosine as common nucleoside precursor
- L7 ANSWER 25 OF 40 CAPLUS COPYRIGHT 2004 ACS on STN
TI Preparation of 2-phenyl-3-(aminoalkyl)indole derivatives as antagonists of gonadotropin releasing hormone (GnRH)
- L7 ANSWER 26 OF 40 CAPLUS COPYRIGHT 2004 ACS on STN
TI Preparation of N-substituted cycloalkyl and polycycloalkyl α -substituted Trp-Phe- and phenethylamine derivatives as anxiolytics and cholecystokinin activity-modifying agents
- L7 ANSWER 27 OF 40 CAPLUS COPYRIGHT 2004 ACS on STN
TI Taxol-7-carbazates with improved water-solubility and/or enhanced therapeutic activity
- L7 ANSWER 28 OF 40 CAPLUS COPYRIGHT 2004 ACS on STN
TI Design of imaging materials for use with photogenerated base: radiation induced β -elimination to yield poly(4-hydroxystyrene)
- L7 ANSWER 29 OF 40 CAPLUS COPYRIGHT 2004 ACS on STN
TI Pyridopyrimidones, quinolines and fused N-heterocycles as bradykinin antagonists.

=> d 17 19 ti fbib abs

- L7 ANSWER 19 OF 40 CAPLUS COPYRIGHT 2004 ACS on STN
TI Triphosgene in organic chemical synthesis
AN 2000:3758 CAPLUS
DN 132:122116
TI Triphosgene in organic chemical synthesis
AU Suveg, Gabor; Repasi, Jozsef
CS Biochem Kft., Budapest, 1025, Hung.
SO Magyar Kemikusok Lapja (1999), 54(12), 604-607
CODEN: MGKLAL; ISSN: 0025-0163
PB Magyar Kemikusok Egyesulet
DT Journal; General Review
LA Hungarian

AB A review, with 24 refs. Triphosgene is a crystalline solid safe and easy to use as phosgene equivalent It is useful in a wide range of organic chemical:
it

reacts with alcs., amines, carboxylic acids, aldehydes, amides to give chlorides, **chloroformates**, **carbonates**, polycarbonates, aldehydes, ureas, isocyanides, N-carboxy amino acid anhydrides, different heterocycles, acid chlorides, isonitriles. In these reactions, thriphosgene gives similar or better yields than phosgene.

=> d 17 23 ti fbib abs

L7 ANSWER 23 OF 40 CAPLUS COPYRIGHT 2004 ACS on STN
TI Preparation of ester fragrance precursors
AN 1998:129457 CAPLUS
DN 128:140523
TI Preparation of ester fragrance precursors
IN Anderson, Denise; Frater, Georg
PA Givaudan-Roure (International) S.A., Switz.; Givaudan S.A.
SO Eur. Pat. Appl., 16 pp.
CODEN: EPXXDW
DT Patent
LA English
FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 816322	A1	19980107	EP 1997-110021	19970619
	EP 816322	B1	20030326		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
				EP 1996-110157	A 19960624
				EP 1997-107133	A 19970430
ZA 9705334	A	19971224	ZA 1997-5334		19970617
			EP 1996-110157	A	19960624
SG 96174	A1	20030523	SG 1997-2072		19970617
			EP 1996-110157	A	19960624
			EP 1997-107133	A	19970430
ES 2193298	T3	20031101	ES 1997-110021		19970619
			EP 1996-110157	A	19960624
			EP 1997-107133	A	19970430
AU 9726159	A1	19980115	AU 1997-26159		19970620
AU 727821	B2	20001221			
			EP 1996-110157	A	19960624
			EP 1997-107133	A	19970430
CA 2208628	AA	19971224	CA 1997-2208628		19970623
			EP 1996-110157	A	19960624
			EP 1997-107133	A	19970430
JP 10095752	A2	19980414	JP 1997-166183		19970623
			EP 1996-110157	A	19960624
			EP 1997-107133	A	19970430
BR 9703686	A	19980901	BR 1997-3686		19970624
			EP 1996-110157	A	19960624
			EP 1997-107133	A	19970430

PATENT FAMILY INFORMATION:

FAN 2001:772122

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 6306818	B1	20011023	US 1999-317399	19990524
				EP 1996-110157	A 19960624
				EP 1997-107133	A 19970430
				US 1997-878923	B2 19970619
ZA 9705334	A	19971224	ZA 1997-5334		19970617
			EP 1996-110157	A	19960624

OS MARPAT 128:140523
AB Fragrance precursors R1X(CR3:CR4)mCOXR2 (I; R1, R2 = fragrant alc. or mercaptan moieties derived from R1OH or R2SH, resp.; R3, R4 = H, C1-6 alkyl; X = O, S; m = 0-2) are prepared which are odorless or nearly so, but which when contacting the skin in skin-care or personal-care comps., or when used in the presence of lipases in laundry detergents or fabric softeners, provide a fragrance or a prolongation of the fabric-scenting effect. I-containing cosmetic formulations are presented. Thus, 2-phenylethanol was esterified with triphosgene, producing fragrance precursor bis(2-phenylethyl) **carbonate**.

RE.CNT 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> d 17 1-18 ti

- L7 ANSWER 1 OF 40 CAPLUS COPYRIGHT 2004 ACS on STN
TI Novel monofunctional polyethylene glycol aldehydes useful for pegylation
- L7 ANSWER 2 OF 40 CAPLUS COPYRIGHT 2004 ACS on STN
TI Procedures for their production of tetraalkylammonium salts of **carbonate** esters and pharmaceutical compositions containing these compounds
- L7 ANSWER 3 OF 40 CAPLUS COPYRIGHT 2004 ACS on STN
TI Preparation of heterocyclyl moiety-containing diamine derivatives as factor Xa inhibitors
- L7 ANSWER 4 OF 40 CAPLUS COPYRIGHT 2004 ACS on STN
TI Synthesis of highly fluorinated **chloroformates** and their use as derivatizing agents for hydrophilic compounds and drinking-water-disinfection by-products
- L7 ANSWER 5 OF 40 CAPLUS COPYRIGHT 2004 ACS on STN
TI Novel monofunctional polyethylene glycol aldehydes
- L7 ANSWER 6 OF 40 CAPLUS COPYRIGHT 2004 ACS on STN
TI Preparation of omega-carboxyaryl substituted diphenyl ureas as raf kinase inhibitors
- L7 ANSWER 7 OF 40 CAPLUS COPYRIGHT 2004 ACS on STN
TI Debenzylation of Tertiary Amines Using Phosgene or Triphosgene: An Efficient and Rapid Procedure for the Preparation of Carbamoyl Chlorides and Unsymmetrical Ureas. Application in Carbon-11 Chemistry
- L7 ANSWER 8 OF 40 CAPLUS COPYRIGHT 2004 ACS on STN
TI Synthesis of d-biotin
- L7 ANSWER 9 OF 40 CAPLUS COPYRIGHT 2004 ACS on STN
TI Method for identification of tumor targeting enzymes for design of compounds which generate anticancer substances
- L7 ANSWER 10 OF 40 CAPLUS COPYRIGHT 2004 ACS on STN
TI Synthesis of optically active aliphatic poly- and oligocarbonates
- L7 ANSWER 11 OF 40 CAPLUS COPYRIGHT 2004 ACS on STN
TI Preparation of heterocyclic moiety-containing diamine derivatives as FXa inhibitors
- L7 ANSWER 12 OF 40 CAPLUS COPYRIGHT 2004 ACS on STN
TI Preparation of N,N'-bis(heterocyclic acyl)cycloalkanediamine and heterocyclediamine derivatives as inhibitors of activated blood coagulation factor X (factor Xa)

L7 ANSWER 13 OF 40 CAPLUS COPYRIGHT 2004 ACS on STN
 TI Microbicide compositions containing pyrazolinones for plant disease control

L7 ANSWER 14 OF 40 CAPLUS COPYRIGHT 2004 ACS on STN
 TI Preparation of piperazine derivatives as tachykinin antagonists

L7 ANSWER 15 OF 40 CAPLUS COPYRIGHT 2004 ACS on STN
 TI Preparation of 2,3-diphenylpropionic acid derivatives or their salts, medicines or cell adhesion inhibitors containing the same, and their usage

L7 ANSWER 16 OF 40 CAPLUS COPYRIGHT 2004 ACS on STN
 TI Preparation and effect of benzimidazolylpyrimidine derivatives as SRC kinase inhibitors

L7 ANSWER 17 OF 40 CAPLUS COPYRIGHT 2004 ACS on STN
 TI Conversion of Bis(trichloromethyl) **Carbonate** to Phosgene and Reactivity of Triphosgene, Diphosgene, and Phosgene with Methanol

L7 ANSWER 18 OF 40 CAPLUS COPYRIGHT 2004 ACS on STN
 TI Derivatization of support surfaces for binding biopolymers

=> d 17 17 ti fbib abs

L7 ANSWER 17 OF 40 CAPLUS COPYRIGHT 2004 ACS on STN
 TI Conversion of Bis(trichloromethyl) **Carbonate** to Phosgene and Reactivity of Triphosgene, Diphosgene, and Phosgene with Methanol
 AN 2000:783429 CAPLUS
 DN 134:71204
 TI Conversion of Bis(trichloromethyl) **Carbonate** to Phosgene and Reactivity of Triphosgene, Diphosgene, and Phosgene with Methanol
 AU Pasquato, Lucia; Modena, Giorgio; Cotarca, Livius; Delogu, Pietro; Mantovani, Silvia
 CS Centro CNR Meccanismi di Reazioni Organiche and Dipartimento di Chimica Organica, Universita di Padova, Padua, 35131, Italy
 SO Journal of Organic Chemistry (2000), 65(24), 8224-8228
 CODEN: JOCEAH; ISSN: 0022-3263
 PB American Chemical Society
 DT Journal
 LA English
 OS CASREACT 134:71204
 AB Triphosgene was decomposed quant. to phosgene by chloride ion. The reaction course was monitored by IR spectroscopy (React-IR), showing that diphosgene was an intermediate. The methanolysis of triphosgene in deuterated chloroform, monitored by proton NMR spectroscopy, gave Me **chloroformate** and Me 1,1,1-trichloromethyl **carbonate** in about a 1:1 ratio, as primary products. The reaction carried out in the presence of large excess of methanol (0.3 M, 30 equiv) was a pseudo-first-order process with a kobs of $1.0 \times 10^{-4} \text{ s}^{-1}$. Under the same conditions, values of kobs of $0.9 \times 10^{-3} \text{ s}^{-1}$ and $1.7 \times 10^{-2} \text{ s}^{-1}$ for the methanolysis of diphosgene and phosgene, resp., were determined. The exptl. data suggest that, under these conditions, the maximum concentration of phosgene during the methanolysis of triphosgene and diphosgene was lower than $1 \times 10^{-5} \text{ M}$. Me 1,1,1-trichloromethyl **carbonate** was synthesized and characterized also by the APCI-MS technique.

RE.CNT 27 THERE ARE 27 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

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SESSION WILL BE HELD FOR 60 MINUTES
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Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:SSSPTA1623PAZ

PASSWORD:

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DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
CA SUBSCRIBER PRICE	ENTRY	SESSION
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=> dhis

L8 19 DHIS

=> d his

(FILE 'HOME' ENTERED AT 07:39:23 ON 31 AUG 2004)

FILE 'REGISTRY' ENTERED AT 07:39:48 ON 31 AUG 2004
E TRIPHOSGENE/CN

L1 1 E3

FILE 'CAPLUS' ENTERED AT 07:40:42 ON 31 AUG 2004

L2 858 L1
L3 19423 CHLOROFORMATE
L4 141 L2 AND L3
L5 7 L2(L) L3
L6 282367 CARBONATE
L7 40 L4 AND L6
L8 19 DHIS

=> bicarbonate

45011 BICARBONATE
6947 BICARBONATES
L9 49938 BICARBONATE
(BICARBONATE OR BICARBONATES)

=> 14 and 19

L10 1 L4 AND L9

=> d 110 ti fbib abs

L10 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2004 ACS on STN
TI Preparation of guanyldihydrazones and their use to treat inflammatory conditions
AN 1998:331368 CAPLUS
DN 129:4502
TI Preparation of guanyldihydrazones and their use to treat inflammatory conditions
IN Bianchi, Marina; Cerami, Anthony; Tracey, Kevin J.; Ulrich, Peter
PA Picower Institute for Medical Research, USA
SO U.S., 44 pp., Cont.-in-part of U.S. 5,599,984.
CODEN: USXXAM
DT Patent
LA English
FAN.CNT 3

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 5750573	A	19980512	US 1995-463568	19950605
				US 1994-184540	B2 19940121
				US 1994-315170	A2 19940929
	US 5599984	A	19970204	US 1994-315170	19940929
				US 1994-184540	B2 19940121
	US 5753684	A	19980519	US 1995-471696	19950606
				US 1994-184540	B2 19940121
				US 1994-315170	A2 19940929
				US 1995-463568	A3 19950605
	US 5849794	A	19981215	US 1995-472004	19950606
				US 1994-184540	B2 19940121
				US 1994-315170	A2 19940929
				US 1995-463568	A3 19950605
	US 5859062	A	19990112	US 1995-471124	19950606
				US 1994-184540	B2 19940121
				US 1994-315170	A2 19940929
				US 1995-463568	A3 19950605
	US 6008255	A	19991228	US 1995-471305	19950606
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				US 1994-315170	A2 19940929
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	US 6180676	B1	20010130	US 1995-472003	19950606
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				US 1994-315170	A2 19940929
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	US 6248787	B1	20010619	US 1995-479050	19950606
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				US 1994-315170	A2 19940929
				US 1995-463568	A3 19950605
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				US 1994-184540	B2 19940121
				US 1994-315170	A2 19940929
				US 1995-463568	A3 19950605
	US 2002028851	A1	20020307	US 2001-824217	20010403
				US 1994-184540	B2 19940121
				US 1994-315170	A2 19940929
				US 1995-463568	A3 19950605
				US 1995-479050	A1 19950606

PATENT FAMILY INFORMATION:

FAN 1995:896314

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PI	WO 9519767	A1	19950727	WO 1995-US828	19950119
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				US 1994-184540	A 19940121
				US 1994-315170	A 19940929
US 5599984	A	19970204		US 1994-315170	19940929
				US 1994-184540	B2 19940121
AU 9518330	A1	19950808		AU 1995-18330	19950119
AU 683999	B2	19971127			
				US 1994-184540	A 19940121
				US 1994-315170	A 19940929
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EP 746312	A1	19961211		EP 1995-910110	19950119
EP 746312	B1	20020925			
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				US 1994-184540	A 19940121
				US 1994-315170	A 19940929
				WO 1995-US828	W 19950119
JP 09508123	T2	19970819		JP 1995-519690	19950119
				US 1994-184540	A 19940121
				US 1994-315170	A 19940929
				WO 1995-US828	W 19950119
AT 224707	E	20021015		AT 1995-910110	19950119
				US 1994-184540	A 19940121
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				WO 1995-US828	W 19950119
FAN	1997:124926				
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				WO 1995-US828	W 19950119
CN 1144480	A	19970305		CN 1995-192171	19950119
CN 1098070	B	20030108			
				US 1994-184540	A 19940121
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JP 09508123	T2	19970819	JP 1995-519690	19950119
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			US 1994-315170	A 19940929
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NZ 330610	A	20010727	NZ 1995-330610	19950119
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EP 1160240	A1	20011205	EP 2001-112374	19950119
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			US 1994-184540	A 19940121
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			US 1994-184540	A 19940121
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			US 1994-184540	A 19940121
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			US 1994-184540	A 19940121
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US 5854289	A	19981229	US 1996-632305	19960415
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US 1994-315170

A2 19940929

US 1995-463568

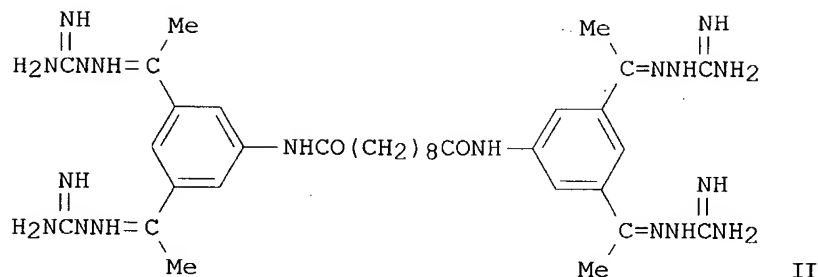
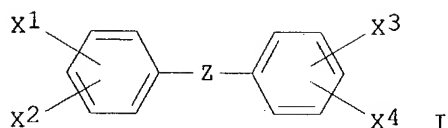
A3 19950605

US 1995-479050

A1 19950606

OS MARPAT 129:4502

GI



AB Aromatic guanylhydrazone (more properly termed amidinohydrazone) [I; X2 = Ghych, GhycCH3 or H, wherein Ghych = guanylhydrazono; X1, X3 and X4, independently = Ghych or GhycCH3; and Z = NH(CO)NH] are prepared This invention concerns new methods and compns. that are useful in preventing and ameliorating cachexia, the clin. syndrome of poor nutritional status and bodily wasting associated with cancer and other chronic diseases. More particularly, the invention relates to compns. containing amidinohydrazone I and their use to inhibit the uptake of arginine by macrophages and/or its conversion to urea. These compns. and methods are also useful in preventing the generation of nitric oxide (NO) by cells, and so to prevent NO-mediated inflammation and other responses in persons in need of same. In another embodiment, the compds. I can be used to inhibit arginine uptake in arginine-dependent tumors and infections. Thus, N,N'-bis(3,5-diacetylphenyl)decanediamide, aminoguanidine hydrochloride, and aminoguanidine dihydrochloride were heated in 91% ethanol for 18 h to give the title compound (II). II was the most active compound in vitro for inhibiting urea production in RAW 264.7 cell with IC50 of 1 μ M.

RE.CNT 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

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COST IN U.S. DOLLARS

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TOTAL

ENTRY

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FULL ESTIMATED COST

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88.14

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE

TOTAL

ENTRY

SESSION

CA SUBSCRIBER PRICE

-8.40

-8.40

SESSION WILL BE HELD FOR 60 MINUTES

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Connecting via Winsock to STN

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PASSWORD:

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FILE 'CAPLUS' ENTERED AT 08:36:09 ON 31 AUG 2004
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FULL ESTIMATED COST	80.89	88.14
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-8.40	-8.40

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USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
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STRUCTURE FILE UPDATES: 29 AUG 2004 HIGHEST RN 735258-95-4
DICTIONARY FILE UPDATES: 29 AUG 2004 HIGHEST RN 735258-95-4

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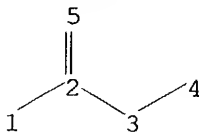
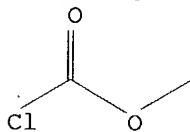
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Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more information enter HELP PROP at an arrow prompt in the file or refer to the file summary sheet on the web at:
<http://www.cas.org/ONLINE/DBSS/registryss.html>

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Uploading C:\Examination Auxillary files\10665410\10665410 chloroformate core.str



chain nodes :
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chain bonds :

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exact/norm bonds :
2-3 2-5 3-4
exact bonds :
1-2

Match level :

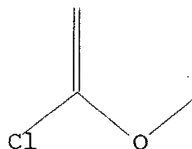
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L11 HAS NO ANSWERS

L11 STR



Structure attributes must be viewed using STN Express query preparation.

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100.0% PROCESSED 275 ITERATIONS

50 ANSWERS

INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**

BATCH **COMPLETE**

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PROJECTED ANSWERS: 1761 TO 3079

L12 50 SEA SSS SAM L11

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FULL SCREEN SEARCH COMPLETED - 5460 TO ITERATE

100.0% PROCESSED 5460 ITERATIONS

2681 ANSWERS

SEARCH TIME: 00.00.01

L13 2681 SEA SSS FUL L11

=> file caplus

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

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243.98

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE

TOTAL

ENTRY

SESSION

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FILE 'CAPLUS' ENTERED AT 08:37:30 ON 31 AUG 2004

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FILE COVERS 1907 - 31 Aug 2004 VOL 141 ISS 10
FILE LAST UPDATED: 30 Aug 2004 (20040830/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> l13

L14 18729 L13

=> save temp l14 chlorofmts/a

ANSWER SET L14 HAS BEEN SAVED AS 'CHLOROFMTS/A'

=> d his

(FILE 'HOME' ENTERED AT 07:39:23 ON 31 AUG 2004)

FILE 'REGISTRY' ENTERED AT 07:39:48 ON 31 AUG 2004
E TRIPHOSGENE/CN

L1 1 E3

FILE 'CAPLUS' ENTERED AT 07:40:42 ON 31 AUG 2004

L2 858 L1
L3 19423 CHLOROFORMATE
L4 141 L2 AND L3
L5 7 L2(L)L3
L6 282367 CARBONATE
L7 40 L4 AND L6
L8 19 DHIS
L9 49938 BICARBONATE
L10 1 L4 AND L9

FILE 'REGISTRY' ENTERED AT 08:36:26 ON 31 AUG 2004

L11 STRUCTURE UPLOADED
L12 50 SEARCH L11 SSS SAM
L13 2681 SEARCH L11 SSS FULL

FILE 'CAPLUS' ENTERED AT 08:37:30 ON 31 AUG 2004

L14 18729 L13
SAVE TEMP L14 CHLOROFMTS/A

=> l14/prep

FIELD CODES CANNOT BE CHANGED HERE

You may have tried to apply a field code to a term that already has a field code. You can only add a field code to a term that has no field code appended to it.

=> l13/prep

18729 L13
3190071 PREP/RL
L15 1573 L13/PREP
(L13 (L) PREP/RL)

=> 12 and 115
L16 38 L2 AND L15

=> 16 or 19
L17 316175 L6 OR L9

=> 1016 and 117
0 L016
L18 0 L016 AND L17

=> 116 and 117
L19 13 L16 AND L17

=> d 119 1-13 ti

L19 ANSWER 1 OF 13 CAPLUS COPYRIGHT 2004 ACS on STN
TI Controlled release preparation containing proton pump inhibitors

L19 ANSWER 2 OF 13 CAPLUS COPYRIGHT 2004 ACS on STN
TI Synthesis of highly fluorinated chloroformates and their use as derivatizing agents for hydrophilic compounds and drinking-water-disinfection by-products

L19 ANSWER 3 OF 13 CAPLUS COPYRIGHT 2004 ACS on STN
TI No-flow reworkable epoxy underfill compositions for protecting, encapsulating, fabricating in flip-chip applications

L19 ANSWER 4 OF 13 CAPLUS COPYRIGHT 2004 ACS on STN
TI No-flow reworkable epoxy underfills for flip-chip applications

L19 ANSWER 5 OF 13 CAPLUS COPYRIGHT 2004 ACS on STN
TI Thermally degradable epoxy underfills for flip-chip applications

L19 ANSWER 6 OF 13 CAPLUS COPYRIGHT 2004 ACS on STN
TI Preparation of amino acid-containing acyclic nucleoside esters as antiviral agents

L19 ANSWER 7 OF 13 CAPLUS COPYRIGHT 2004 ACS on STN
TI Synthesis of oligodeoxynucleotides containing 2-substituted guanine derivatives using 2-fluoro-2'-deoxyinosine as common nucleoside precursor

L19 ANSWER 8 OF 13 CAPLUS COPYRIGHT 2004 ACS on STN
TI Design of imaging materials for use with photogenerated base: radiation induced β -elimination to yield poly(4-hydroxystyrene)

L19 ANSWER 9 OF 13 CAPLUS COPYRIGHT 2004 ACS on STN
TI Preparation of thiazolidinedione derivatives as cardiovascular agents

L19 ANSWER 10 OF 13 CAPLUS COPYRIGHT 2004 ACS on STN
TI Cholecystokinin antagonists, their preparation and therapeutic use

L19 ANSWER 11 OF 13 CAPLUS COPYRIGHT 2004 ACS on STN
TI Trichloromethyl **carbonate** as a practical phosgene source: application to the synthesis of α -chloro chloroformates

L19 ANSWER 12 OF 13 CAPLUS COPYRIGHT 2004 ACS on STN
TI Triphosgene: a crystalline phosgene equivalent

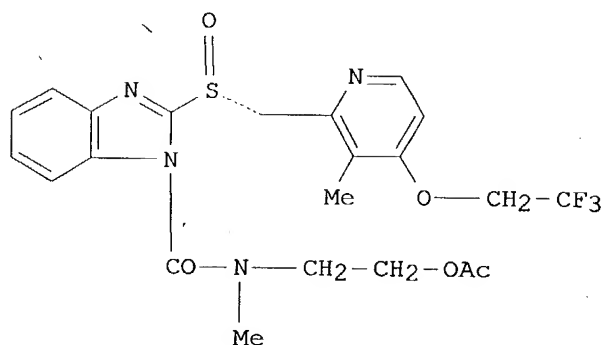
L19 ANSWER 13 OF 13 CAPLUS COPYRIGHT 2004 ACS on STN
 TI Bis(trichloromethyl) **carbonate** as an alternative reagent for
 phosgene

=> d 119 1-13 ti fbib abs

L19 ANSWER 1 OF 13 CAPLUS COPYRIGHT 2004 ACS on STN
 TI Controlled release preparation containing proton pump inhibitors
 AN 2004:354765 CAPLUS
 DN 140:380603
 TI Controlled release preparation containing proton pump inhibitors
 IN Akiyama, Yohko; Kurasawa, Takashi; Bando, Hiroto; Nagahara, Naoki
 PA Takeda Chemical Industries, Ltd., Japan
 SO PCT Int. Appl., 371 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2004035020	A2	20040429	WO 2003-JP13155	20031015
	WO 2004035020	A3	20040624		
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
				JP 2002-301876	A 20021016
				JP 2003-66336	A 20030312

OS MARPAT 140:380603
 GI



I

AB A controlled release preparation wherein the release of active ingredient is controlled, which releases an active ingredient for an extended period of time by staying or slowly migrating in the gastrointestinal tract, is provided by means such as capsulating a tablet, granule or fine granule wherein the release of active ingredient is controlled and a gel-forming polymer. Said tablet, granule or fine granule has a release-controlled

coating-layer formed on a core particle containing an active ingredient. Many compds. such as I were prepared and formulations given, e.g., granules containing sucrose-starch spheres, R-lansoprazole, Mg carbonate, purified sucrose, corn starch, low-substituted hydroxypropyl cellulose, and hydroxypropyl cellulose.

L19 ANSWER 2 OF 13 CAPLUS COPYRIGHT 2004 ACS on STN
TI Synthesis of highly fluorinated chloroformates and their use as derivatizing agents for hydrophilic compounds and drinking-water-disinfection by-products
AN 2004:263234 CAPLUS
DN 140:428504
TI Synthesis of highly fluorinated chloroformates and their use as derivatizing agents for hydrophilic compounds and drinking-water-disinfection by-products
AU Vincenti, Marco; Ghiglione, Nicoletta; Valsania, Maria Carmen; Davit, Patrizia; Richardson, Susan D.
CS Dipartimento di Chimica Analitica, Universita di Torino, Turin, I-10125, Italy
SO Helvetica Chimica Acta (2004), 87(2), 370-375
CODEN: HCACAV; ISSN: 0018-019X
PB Verlag Helvetica Chimica Acta
DT Journal
LA English
AB A rapid, safe, and efficient procedure was developed to synthesize, on a small scale, fluorinated chloroformates often required to perform anal. derivatizations. This new family of agents allows straightforward derivatization of highly polar compds. (with multiple hydroxy, carboxy, and amino substituents) in the aqueous phase, compatible with gas chromatog. (GC) and GC/mass spectrometry (MS) anal. A goal of this work was to develop a derivatization procedure that would enable the detection and identification of highly polar disinfection byproducts in drinking water.
RE.CNT 18 THERE ARE 18 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L19 ANSWER 3 OF 13 CAPLUS COPYRIGHT 2004 ACS on STN
TI No-flow reworkable epoxy underfill compositions for protecting, encapsulating, fabricating in flip-chip applications
AN 2002:221231 CAPLUS
DN 136:248454
TI No-flow reworkable epoxy underfill compositions for protecting, encapsulating, fabricating in flip-chip applications
IN Wang, Lejun; Li, Haiying; Wong, Ching-ping
PA USA
SO U.S. Pat. Appl. Publ., 28 pp., Cont.-in-part of U. S. Ser. No. 820,549.
CODEN: USXXCO
DT Patent
LA English
FAN.CNT 3

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 2002035201	A1	20020321	US 2001-860081	20010517
	US 6570029	B2	20030527		
				US 2000-193356P	P 20000329
				US 2000-205590P	P 20000517
				US 2001-820549	A2 20010329
	US 2002013420	A1	20020131	US 2001-820549	20010329
	US 6498260	B2	20021224		
				US 2000-193356P	P 20000329

PATENT FAMILY INFORMATION:

FAN 2001:730881

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI WO 2001072898 A1 20011004 WO 2001-US10095 20010329
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM,
HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS,
LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO,
RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN,
YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,
DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF,
BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

AU 2001051096 A5 20011008 US 2000-193356P P 20000329
AU 2001-51096 20010329
US 2000-193356P P 20000329
WO 2001-US10095 W 20010329

FAN 2001:851529

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI WO 2001088959	A2	20011122	WO 2001-US15843	20010517
WO 2001088959	A3	20020328		

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,
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HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS,
LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO,
RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN,
YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,
DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF,
BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

US 2000-205590P P 20000517
US 2001-820549 A 20010329
US 2001-820549 20010329
US 2002013420 A1 20020131
US 6498260 B2 20021224

AU 2001064625 A5 20011126 US 2000-193356P P 20000329
AU 2001-64625 20010517
US 2000-205590P P 20000517
US 2001-820549 A 20010329
WO 2001-US15843 W 20010517

AB The encapsulant includes a cycloaliph. epoxide, an organic hardener, a curing accelerator, and a fluxing agent where the cycloaliph. epoxide includes a **carbonate** or carbamate group. The encapsulant can also include a filler, such as a SiO2 filler.

L19 ANSWER 4 OF 13 CAPLUS COPYRIGHT 2004 ACS on STN

TI No-flow reworkable epoxy underfills for flip-chip applications

AN 2001:851529 CAPLUS

DN 136:14026

TI No-flow reworkable epoxy underfills for flip-chip applications

IN Wang, Lejun; Wong, Ching-Ping; Li, Haiying

PA Georgia Tech Research Corporation, USA

SO PCT Int. Appl., 50 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 3

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI WO 2001088959	A2	20011122	WO 2001-US15843	20010517
WO 2001088959	A3	20020328		

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,
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HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS,
LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO,
RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN,

YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
 RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,
 DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF,
 BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

			US 2000-205590P	P	20000517
			US 2001-820549	A	20010329
US 2002013420	A1	20020131	US 2001-820549		20010329
US 6498260	B2	20021224			
			US 2000-193356P	P	20000329
AU 2001064625	A5	20011126	AU 2001-64625		20010517
			US 2000-205590P	P	20000517
			US 2001-820549	A	20010329
			WO 2001-US15843	W	20010517

PATENT FAMILY INFORMATION:

FAN 2001:730881

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2001072898	A1	20011004	WO 2001-US10095	20010329
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
				US 2000-193356P	P 20000329
	AU 2001051096	A5	20011008	AU 2001-51096	20010329
				US 2000-193356P	P 20000329
				WO 2001-US10095	W 20010329

FAN 2002:221231

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 2002035201	A1	20020321	US 2001-860081	20010517
	US 6570029	B2	20030527		
				US 2000-193356P	P 20000329
				US 2000-205590P	P 20000517
				US 2001-820549	A2 20010329
	US 2002013420	A1	20020131	US 2001-820549	20010329
	US 6498260	B2	20021224		

AB A no-flow reworkable epoxy underfill is provided for use in an electronic packaged system which incorporates an integrated circuit, an organic printed wire board, and ≥ 1 eutectic solder joint formed there-between. An exemplary embodiment of the encapsulant includes: a cycloaliph. epoxide; an organic hardener; a curing accelerator; and a fluxing agent in which the cycloaliph. epoxide includes a **carbonate** or carbamate group. The encapsulant can also include a filler, such as a SiO₂ filler. A method is also provided for forming the aforementioned reworkable epoxy underfills.

L19 ANSWER 5 OF 13 CAPLUS COPYRIGHT 2004 ACS on STN
 TI Thermally degradable epoxy underfills for flip-chip applications
 AN 2001:730881 CAPLUS
 DN 135:257990
 TI Thermally degradable epoxy underfills for flip-chip applications
 IN Wang, Lejun; Wong, Ching-Ping; Li, Haiying
 PA Georgia Tech Research Corporation, USA
 SO PCT Int. Appl., 48 pp.
 CODEN: PIXXD2
 DT Patent
 LA English

FAN.CNT 3

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2001072898	A1	20011004	WO 2001-US10095	20010329
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				AU 2001-51096	20010329
				US 2000-193356P	P 20000329
				WO 2001-US10095	W 20010329

PATENT FAMILY INFORMATION:

FAN 2001:851529

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2001088959	A2	20011122	WO 2001-US15843	20010517
	WO 2001088959	A3	20020328		
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	US 2002013420	A1	20020131	US 2000-205590P	P 20000517
	US 6498260	B2	20021224	US 2001-820549	A 20010329
				US 2001-820549	20010329
				US 2000-193356P	P 20000329
	AU 2001064625	A5	20011126	AU 2001-64625	20010517
				US 2000-205590P	P 20000517
				US 2001-820549	A 20010329
				WO 2001-US15843	W 20010517

FAN 2002:221231

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 2002035201	A1	20020321	US 2001-860081	20010517
	US 6570029	B2	20030527		
				US 2000-193356P	P 20000329
				US 2000-205590P	P 20000517
				US 2001-820549	A2 20010329
	US 2002013420	A1	20020131	US 2001-820549	20010329
	US 6498260	B2	20021224		
				US 2000-193356P	P 20000329

AB A reworkable epoxy underfill for use in electronic packaged system comprises a cycloaliph. epoxide, an organic hardener, and a curing accelerator, and optionally a filler, such as a silica filler. Thus, di-3,4-epoxycyclohexylmethyl carbonate/hexahydromethylphthalic anhydride 1/0.8 mol and imidazole 1% were mixed to give a resin, showing Tg 176°, storage modulus 2.6 GPa, and viscosity (25°) 0.24 Pa.s.

RE.CNT 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

TI Preparation of amino acid-containing acyclic nucleoside esters as
 antiviral agents
 AN 1998:341581 CAPLUS
 DN 129:28180
 TI Preparation of amino acid-containing acyclic nucleoside esters as
 antiviral agents
 IN Zhou, Xiao-Xiong; Johansson, Nils-Gunnar
 PA Medivir AB, Swed.; Zhou, Xiao-Xiong; Johansson, Nils-Gunnar
 SO PCT Int. Appl., 72 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 6

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9821223	A1	19980522	WO 1997-SE1903	19971112
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				SE 1996-4154	A 19961112
				SE 1996-4165	A 19961112
				US 1997-798218	A 19970210
				SE 1997-2957	A 19970815
				US 1997-912927	A 19970815
AU 735438		B2	19980603	AU 1999-50759	19971112
				SE 1996-4154	A 19961112
				SE 1996-4165	A 19961112
				US 1997-798218	A 19970210
				SE 1997-2957	A 19970815
				US 1997-912927	A 19970815
				WO 1997-SE1903	W 19971112
EP 942916		A2	19990922	EP 1997-913620	19971112
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				SE 1996-4154	A 19961112
				SE 1996-4165	A 19961112
				US 1997-798218	A 19970210
				SE 1997-2957	A 19970815
				US 1997-912927	A 19970815
				WO 1997-SE1903	W 19971112
JP 2001503767		T2	20010321	JP 1998-522480	19971112
				SE 1996-4154	A 19961112
				SE 1996-4165	A 19961112
				US 1997-798218	A 19970210
				SE 1997-2957	A 19970815
				US 1997-912927	A 19970815
				WO 1997-SE1903	W 19971112
EP 1123935		A2	20010816	EP 2001-103370	19980814
EP 1123935		A3	20010905		
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				SE 1997-2957	A 19970815
				SE 1997-4147	A 19971112
				SE 1998-452	A 19980213
				EP 1998-939041	A3 19980814
NZ 508502		A	20020426	NZ 1998-508502	19980814
				SE 1997-2957	A 19970815
				SE 1997-4147	A 19971112
				SE 1998-452	A 19980213

KR 2000053226	A	20000825	NZ 1998-502837	A1 19980814
			KR 1999-704201	19990512
			SE 1996-4154	A 19961112
			SE 1996-4165	A 19961112
			US 1997-798218	A 19970210
			SE 1997-2957	A 19970815
			US 1997-912927	A 19970815

PATENT FAMILY INFORMATION:

FAN 1999:139847

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 9909031	A1	19990225	WO 1998-SE1467	19980814
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RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
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			WO 1998-SE1467	W 19980814

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			ZA 1998-7267	A 19980813
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			MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR,	
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RW:			GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES,	
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			WO 1998-SE1467	W	19980814
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			WO 1999-SE194	W	19990215

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			SE 1998-469	A 19980216
			SE 1998-1216	A 19980403
			ZA 1998-7267	A 19980813
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			WO 1998-SE1467	W 19980814
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FAN 1999:659396					
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ZA 9807267	A	19990215	ZA 1998-7267		19980813
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FAN 2002:696666

PATENT NO.

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APPLICATION NO.

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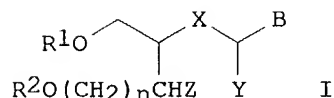
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				SE 1997-4147	A 19971112
				SE 1998-452	A 19980213
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ZA 9901148	A	19990812		ZA 1999-1148	19990212
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US 6458772	B1	20021001		US 1999-249317	19990212
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				SE 1998-1216	A 19980403
				ZA 1998-7267	A 19980813
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				SE 1998-1216	A 19980403
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WO 2000047561	A1	20000817		WO 1999-SE1403	19990818

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CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

US 1999-249317 A 19990212
WO 1999-SE194 A 19990215

OS MARPAT 129:28180

GI



AB Mixed esters of antiviral nucleosides I, where B is natural or unnatural nucleotide base, X is O or CH₂, Y and Z are each H, or together form a bond, or Y is methylene or -CH(OH)- and Z is a bond thereto; n is 0 or 1; one of R₁ and R₂ is the acyl residue of an aliphatic amino acid and the other is -C(=O)C₅-C₂₁ saturated or mono-unsatd. alkyl; and pharmaceutically acceptable salts thereof have advantageous pharmacokinetics and other properties. Thus, 9-(4-stearoyloxy-3-(L-valyloxymethyl)butyl)guanine was prepared and showed 22.7% bioavailability in rats.

RE.CNT 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L19 ANSWER 7 OF 13 CAPLUS COPYRIGHT 2004 ACS on STN

TI Synthesis of oligodeoxynucleotides containing 2-substituted guanine derivatives using 2-fluoro-2'-deoxyinosine as common nucleoside precursor

AN 1997:804938 CAPLUS

DN 128:102338

TI Synthesis of oligodeoxynucleotides containing 2-substituted guanine derivatives using 2-fluoro-2'-deoxyinosine as common nucleoside precursor

AU Diaz, Antonio R.; Eritja, Ramon; Garcia, Ramon Guimil

CS European Molecular Biology Laboratory, Heidelberg, D-69117, Germany

SO Nucleosides & Nucleotides (1997), 16(10 & 11), 2035-2051

CODEN: NUNUD5; ISSN: 0732-8311

PB Marcel Dekker, Inc.

DT Journal

LA English

AB Oligonucleotides containing 2-substituted guanine derivs. with double-helix stabilizing mols. such as spermine, spermidine and propylimidazole have been prepared using protected 2-fluoro-2'-deoxyinosine phosphoramidite and two different protective strategies: the p-nitrophenylethyl and the t-butylphenoxyacetyl groups. Melting studies show a large increase on the melting temps. of duplexes containing these 2-substituted guanine derivs.

RE.CNT 29 THERE ARE 29 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L19 ANSWER 8 OF 13 CAPLUS COPYRIGHT 2004 ACS on STN

TI Design of imaging materials for use with photogenerated base: radiation induced β -elimination to yield poly(4-hydroxystyrene)

AN 1996:498310 CAPLUS

DN 125:261012

TI Design of imaging materials for use with photogenerated base: radiation induced β -elimination to yield poly(4-hydroxystyrene)

AU Urankar, Edward J.; Brehm, Isabella; Niu, Q. Jason; Frechet, Jean M. J.
 CS Department Chemistry, Cornell University, Ithaca, NY, 14853-1301, USA
 SO Polymeric Materials Science and Engineering (1996), 75, 429-430
 CODEN: PMSEDG; ISSN: 0743-0515
 PB American Chemical Society
 DT Journal
 LA English
 AB Photoimaging polymers contain activated **carbonate** linkages in their side chains that are susceptible to base catalyzed β -eliminations to yield poly(4-hydroxystyrene). The polymers obtained by coupling reaction of chloroformate PhCH(CN)CH₂OCOC₂H₅ with poly(4-hydroxystyrene) provided pos. images. A resist containing this polymer and [((2-nitrobenzyl)oxy)carbonyl]4,4'-trimethylenedipiperidine was exposed with λ = 254 nm, baked at 120 °C for 3 min. and developed with 50% volume/volume of AZ312MIF in water for 45 s. Sensitivity depended on the degree of modification of the matrix and varied from 30 to 250 mJ/cm².

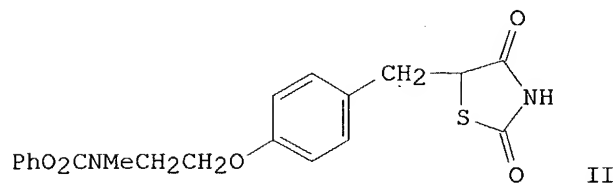
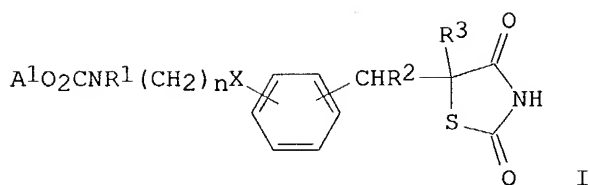
L19 ANSWER 9 OF 13 CAPLUS COPYRIGHT 2004 ACS on STN
 TI Preparation of thiazolidinedione derivatives as cardiovascular agents
 AN 1992:511595 CAPLUS
 DN 117:111595
 TI Preparation of thiazolidinedione derivatives as cardiovascular agents
 IN Haigh, David; Bell, David
 PA Beecham Group PLC, UK
 SO PCT Int. Appl., 47 pp.
 CODEN: PIXXD2

DT Patent
 LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9207838	A1	19920514	WO 1991-GB1834	19911018
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	RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LU, NL, SE				
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				GB 1990-23583	19901030
				WO 1991-GB1834	19911018
	EP 555251	A1	19930818	EP 1991-918092	19911018
	R: BE, CH, DE, FR, GB, IT, LI, NL				
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				WO 1991-GB1834	19911018
	JP 06502145	T2	19940310	JP 1991-516912	19911018
				GB 1990-23583	19901030
				WO 1991-GB1834	19911018

OS MARPAT 117:111595
 GI



AB Title compds. I (A1 = alkyl, (substituted) aryl, (substituted aralkyl; R1 = H, alkyl, acyl, (substituted) aralkyl, A1R1 = (substituted) polymethylene; R2, R3 = H, R2R3 = bond; X = O, S; n = 2-6), tautomers, or their salts, useful for improved blood glucose-lowering activity, are prepared I are also useful for treatment of hyperlipidemia, cardiovascular disease (no data). 5-(4-Hydroxybenzyl)-2,4-thiazolidinedione in DMF was treated with NaH, followed by PhO2CNMeCH2CH2OSO2Me, to give II which showed a 53% reduction in blood glucose in obese mice.

L19 ANSWER 10 OF 13 CAPLUS COPYRIGHT 2004 ACS on STN
 TI Cholecystokinin antagonists, their preparation and therapeutic use
 AN 1992:484251 CAPLUS
 DN 117:84251
 TI Cholecystokinin antagonists, their preparation and therapeutic use
 IN Horwell, David Christopher; Kleinschroth, Juerger; Rees, David Charles; Richardson, Reginald Stewart; Roark, William Howard; Roberts, Edward; Roth, Bruce David; Trivedi, Bharat Kalidas; Holmes, Ann; Padia, Janak Khimchand
 PA Warner-Lambert Co., USA
 SO PCT Int. Appl., 211 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9204045	A1	19920319	WO 1991-US6180	19910829
	W: AU, CA, FI, JP, KR, NO				
	RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LU, NL, SE				
				US 1990-576628	19900831
				US 1991-726655	19910712
	AU 9187492	A1	19920330	AU 1991-87492	19910829
	AU 651390	B2	19940721		
				US 1990-576628	19900831
				US 1991-726655	19910712
				WO 1991-US6180	19910829
EP	547178	A1	19930623	EP 1991-918880	19910829
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE				
				US 1990-576628	19900831
				US 1991-726655	19910712
				WO 1991-US6180	19910829
				JP 1991-517185	19910829
JP	06502627	T2	19940324		
				US 1990-576628	19900831
				US 1991-726655	19910712
				WO 1991-US6180	19910829

ZA 9106922	A	19930301	ZA 1991-6922	19910830
			US 1990-576628	19900831
NO 9300709	A	19930415	NO 1993-709	19930226
			US 1990-576628	19900831
			US 1991-726655	19910712
			WO 1991-US6180	19910829

PATENT FAMILY INFORMATION:

FAN 1997:70350

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 5593967	A	19970114	US 1993-41647	19930401
				US 1990-576628	19900831
				US 1991-726655	19910712
				US 1992-839647	19920221
	ZA 9106922	A	19930301	ZA 1991-6922	19910830
				US 1990-576628	19900831
	US 5846942	A	19981208	US 1996-709316	19960909
				US 1990-576628	19900831
				US 1991-726655	19910712
				US 1992-839647	19920221
				US 1993-41647	19930401

OS MARPAT 117:84251

AB Cholecystokinin antagonists (Markush included) are provided for treatment of obesity, hypersecretion of gastric acid in the gut, gastrin-dependent tumors, psychotic behavior, anxiety, ulcers, drug withdrawal, and panic. Preparation of the antagonists and intermediates is included; 38 specific compds. are claimed. In receptor binding studies, tricyclo[3.3.1.1^{3,7}]dec-2-yl[1-((2-hydroxy-2-phenylethyl)amino)-3-(1H-indol-3-yl)-2-methylprop-2-yl]carbamate had an inhibition constant of 220 nM. Inhibition consts. for 29 other compds. are tabulated.

L19 ANSWER 11 OF 13 CAPLUS COPYRIGHT 2004 ACS on STN

TI Trichloromethyl **carbonate** as a practical phosgene source: application to the synthesis of α -chloro chloroformates

AN 1990:20535 CAPLUS

DN 112:20535

TI Trichloromethyl **carbonate** as a practical phosgene source: application to the synthesis of α -chloro chloroformates

AU Coghlan, Michael J.; Caley, Blake A.

CS Lilly Res. Lab., Eli Lilly and Co., Greenfield, IN, 46140, USA

SO Tetrahedron Letters (1989), 30(16), 2033-6

CODEN: TELEAY; ISSN: 0040-4039

DT Journal

LA English

OS CASREACT 112:20535

AB (Cl₃CO)₂CO (I) is a stable, crystalline reagent which reacts with aldehydes RCHO to give chloroformates ClCO₂CHRC1. Thus, I was added to a stirred solution of cyclohexanecarboxaldehyde and pyridine in CCl₄ at -20° and the resulting slurry warmed to room temp and then heated for 1 h at 40° to give 89% chlorocyclohexylmethyl chloroformate.

L19 ANSWER 12 OF 13 CAPLUS COPYRIGHT 2004 ACS on STN

TI Triphosgene: a crystalline phosgene equivalent

AN 1987:575482 CAPLUS

DN 107:175482

TI Triphosgene: a crystalline phosgene equivalent

AU Eckert, Heiner; Forster, Barbara

CS Org. Chem. Inst. Tech. Univ. Muenchen, Garching, D-8046, Fed. Rep. Ger.

SO Angewandte Chemie (1987), 99(9), 922-3

CODEN: ANCEAD; ISSN: 0044-8249

DT Journal

LA German

OS CASREACT 107:175482

AB (Cl₃CO)₂CO (I) was used for chloroformylation, carbonylation, chlorination, and dehydration. Thus, when treated with I, Cl₃CCMe₂OH gave 91% Cl₃CCMe₂O₂CCl, o-MeC₆H₄NH₂ gave 82% o-MeC₆H₄NCO, PhCH₂CO₂H gave 11% PhCH₂COCl, and RCH₂CH₂NHCHO (R = morpholino) gave 74% RCH₂CH₂NC.

L19 ANSWER 13 OF 13 CAPLUS COPYRIGHT 2004 ACS on STN

TI Bis(trichloromethyl) **carbonate** as an alternative reagent for phosgene

AN 1987:4294 CAPLUS

DN 106:4294

TI Bis(trichloromethyl) **carbonate** as an alternative reagent for phosgene

IN Eckert, Heiner

PA Fed. Rep. Ger.

SO Ger. Offen., 17 pp.

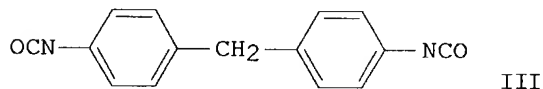
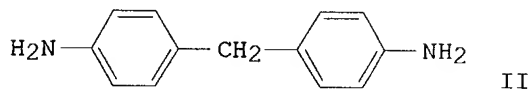
CODEN: GWXXBX

DT Patent

LA German

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 3440141	A1	19860507	DE 1984-3440141	19841102
				DE 1984-3440141	19841102
OS	CASREACT 106:4294				
GI					



AB (Cl₃CO)₂CO (I), prepared by chlorination of (MeO)₂CO, is used as an alternative to COCl₂ in, e.g., the preparation of isocyanates, diisocyanates, chloroformates, and polycarbonates, etc., which find use as intermediates for plastics, pharmaceuticals, herbicides, and insecticides, etc. Thus, 5.95 g diamine II and 5.94 g I in o-Cl₂C₆H₄ were heated at 170° for 3 h to give 84% diisocyanate III.

=> logoff hold

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
85.08	329.06

FULL ESTIMATED COST

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE	TOTAL
ENTRY	SESSION
-9.10	-17.50

CA SUBSCRIBER PRICE

SESSION WILL BE HELD FOR 60 MINUTES

STN INTERNATIONAL SESSION SUSPENDED AT 08:55:01 ON 31 AUG 2004

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:SSSPTA1623PAZ

PASSWORD:

* * * * * RECONNECTED TO STN INTERNATIONAL * * * * *
SESSION RESUMED IN FILE 'CAPLUS' AT 09:01:03 ON 31 AUG 2004
FILE 'CAPLUS' ENTERED AT 09:01:03 ON 31 AUG 2004
COPYRIGHT (C) 2004 AMERICAN CHEMICAL SOCIETY (ACS)

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
FULL ESTIMATED COST	ENTRY	SESSION
	85.08	329.06

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
CA SUBSCRIBER PRICE	ENTRY	SESSION
	-9.10	-17.50

=> d his

(FILE 'HOME' ENTERED AT 07:39:23 ON 31 AUG 2004)

FILE 'REGISTRY' ENTERED AT 07:39:48 ON 31 AUG 2004
E TRIPHOSGENE/CN

L1 1 E3

FILE 'CAPLUS' ENTERED AT 07:40:42 ON 31 AUG 2004

L2 858 L1
L3 19423 CHLOROFORMATE
L4 141 L2 AND L3
L5 7 L2(L) L3
L6 282367 CARBONATE
L7 40 L4 AND L6
L8 19 DHIS
L9 49938 BICARBONATE
L10 1 L4 AND L9

FILE 'REGISTRY' ENTERED AT 08:36:26 ON 31 AUG 2004

L11 STRUCTURE UPLOADED
L12 50 SEARCH L11 SSS SAM
L13 2681 SEARCH L11 SSS FULL

FILE 'CAPLUS' ENTERED AT 08:37:30 ON 31 AUG 2004

L14 18729 L13
SAVE TEMP L14 CHLOROFMTS/A
L15 1573 L13/PREP
L16 38 L2 AND L15
L17 316175 L6 OR L9
L18 0 L16 AND L17
L19 13 L16 AND L17

=> l16(l)l17

PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH
FIELD CODE - 'AND' OPERATOR ASSUMED 'L16(L)L17'
L20 13 L16(L)L17

=> logoff hold

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
FULL ESTIMATED COST	ENTRY	SESSION
	85.96	329.94

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS),	SINCE FILE	TOTAL
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CA SUBSCRIBER PRICE

ENTRY
-9.10

SESSION
-17.50

SESSION WILL BE HELD FOR 60 MINUTES

STN INTERNATIONAL SESSION SUSPENDED AT 09:02:16 ON 31 AUG 2004